

COOLING APPARATUS BOILING AND CONDENSING REFRIGERANT WITH  
LOW HEIGHT AND EASILY ASSEMBLED

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ABSTRACT OF THE DISCLOSURE

10 A cooling apparatus boiling and condensing a  
refrigerant is disclosed, wherein a heat-generating  
member mounted on the upper surface thereof can also be  
cooled. A plurality of intermediate plates (130A to  
130E) are stacked between an upper plate (110) and a  
lower plate (120). A plurality of apertures (131 to 134)  
15 formed in the intermediate plates define a first space  
(140) for hermetically sealing the refrigerant and a  
second space (150) through which an external cooling  
fluid flows in proximity to the first space. A heat-  
generating member (10) is mounted on the outer surface of  
20 at least the lower plate, and heat is exchanged between  
the refrigerant heated and boiled by the heat-generating  
member and the external cooling fluid. An upper portion  
(150A) of the second space is formed in proximity to the  
inner surface of the upper plate.